



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

**EPA Reg. Number:**

228-670

**Date of Issuance:**

6/12/2019

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Unconditional

**Name of Pesticide Product:**

Nufarm Propiconazole 41.8 EC  
 Fungicide

**Name and Address of Registrant (include ZIP Code):**

Nufarm Americas, Inc.  
 4020 Aerial Center Parkway  
 Suite 101  
 Morrisville, NC 27560


**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her/his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

EPA received a label amendment request submitted by email on 6/10/2019. EPA grants this request under the authority of section 3(c)(5) of FIFRA, as amended. With this accepted labeling, all requirements set forth in the Reregistration Eligibility Decision for Propiconazole have been satisfied. Therefore, EPA reregisters the product listed above. This action is taken under the authority of section 4(g)(2)(c) of FIFRA, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Submit one (1) copy of final printed labeling. Amended labeling will supersede all previously accepted labels. A copy of your label stamped "Accepted" is enclosed for your records. Products shipped after 12 months from the date of this Notice or the next printing of your label, whichever occurs first, must bear the new revised label.

**Signature of Approving Official:**

  
 Shaja B. Joyner, Product Manager 20  
 Fungicide-Herbicide Branch  
 Registration Division 7505P

**Date:**

6/12/2019

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EPA Reg. No. 228-670  
Decision No. 454611

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 2/12/2018
- Alternate CSF #1 dated 2/12/2018
- Alternate CSF #2 dated 2/12/2018

If you have any questions, please contact Shaja Joyner by phone at 703-308-3194, or via email at [joyner.shaja@epa.gov](mailto:joyner.shaja@epa.gov).

Enclosure

**ACCEPTED**

06/12/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 228-670

**PROPICONAZOLE**

**GROUP**

**3**

**FUNGICIDE**

# Nufarm Propiconazole 41.8 EC Fungicide

**ACTIVE INGREDIENT:**

Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole ..... 41.8%

**OTHER INGREDIENTS:** ..... 58.2%

**TOTAL:** ..... 100.0%

Contains petroleum distillates

Contains 4 lb of propiconazole per gallon

## KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand this label, find someone to explain it to you in detail).

See label booklet for [FIRST AID and] PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-670

EPA Est. No. \_\_\_\_\_

MANUFACTURED FOR  
NUFARM AMERICAS INC.  
11901 S. Austin Avenue  
Alsip, IL 60803



Net Contents:

[Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]

[Nufarm Grow a Better Tomorrow]  
[Grow a Better Tomorrow]

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give saline laxative and supportive therapy. Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING / AVISO**

Causes substantial but temporary eye injury. Causes skin irritation. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below.

**All handlers must wear:**

- Protective eyewear such as goggles or face shield
- Coverall over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks

**All handlers using propiconazole as a seed piece treatment must wear:**

- Chemical-resistant gloves
- Chemical-resistant apron

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Engineering Controls**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4-6)].

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</li> </ul>

## ENVIRONMENTAL HAZARDS

This product is toxic to fish and shrimp. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

## PHYSICAL OR CHEMICAL HAZARDS

**Combustible.** Do not use or store near heat or open flame.

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Protective eyewear
- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

## PRODUCT INFORMATION

This product is a broad spectrum fungicide for the control of specified diseases in labeled crops.

### RESTRICTION

Do not use this product in greenhouses or as a tree injection.

### SPRAY EQUIPMENT

In general, the most effective disease control is achieved when applications are made using sufficient water volume to provide thorough and uniform coverage.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap as crop injury may occur.

Air-assisted or air-blast sprayers use a forced air stream to move spray droplets into the canopy. Set up the fan to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with capacity to maintain 35-40 psi at nozzles and provide sufficient agitation in tank to keep mixture in suspension. Use a jet agitator, liquid sparger tube, or mechanical paddle for agitation. Do not air sparge.

Although this product is an emulsifiable concentrate, it is suggested that screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16 mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

### **SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Wind Speed:** Do not apply at wind speeds greater than 15 mph.

**Droplet size:** Apply as a medium or coarser spray (ASAE Standard 572)

**Temperature Inversions:** If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Other State and Local Requirements:** Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

**Equipment:** All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

#### ***Additional requirements for aerial applications:***

- A. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- B. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- C. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

#### ***Additional requirement for groundboom application:***

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

### **APPLICATION INSTRUCTIONS**

For best results, sufficient water volume should be used to provide thorough coverage. In most situations, this product is most effective when applied and allowed to dry before a rainfall. Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

**AERIAL APPLICATION:** For those crops other than tree crops where aerial applications are indicated, apply in a minimum of 2 gal. of water per acre, unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label. For tree crops, a minimum of 5 to 10 gal. of water per acre is specified using the higher volume on large trees unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label.

**GROUND APPLICATION:** For tree crops, a minimum of 50 gal. of water per acre is specified unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label. For all other crops, apply this product by ground equipment in a minimum of 10 gal. of water per acre unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label.

#### **CHEMIGATION**

Apply this product through irrigation equipment only to crops for which chemigation is specified on this label or on approved supplemental labeling provided by Nufarm.

Apply in 0.1 to 0.25 inches of water. Chemigation with excessive water negatively impacts efficacy of the product.

**Notes:** Do not inject this product at full strength or deterioration of valves and seals will occur. Use a dilution ratio of at least 10 parts water to 1 part product. This product is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used but should be replaced once a year. Do not use Viton, Buna-N, Neoprene, or PVC seals.

Apply this product alone or in combination with other pesticides which are registered for application through irrigation systems.

Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

### **Irrigation System Operating Instructions**

- The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick closing check-valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended.

### **Center Pivot Irrigation Equipment**

Use only with drive systems which provide uniform water distribution. Do not use end guns when applying this product through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as specified by the equipment manufacturer. When applying this product through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of this product required to treat the area covered by the irrigation system.
- Add the required amount of this product and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the product solution.
- Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the product solution has cleared the sprinkler head.

### **Solid Set, Hand Move, and Moving Wheel Irrigation Equipment**

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20- to 30-minute interval. When applying this product through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of this product required to treat the area covered by the irrigation system.
- Add the required amount of this product into the same quantity of water used to calibrate the injection period.

- Operate the system at the same pressure and time interval established during the calibration.
- Stop injection equipment after treatment is completed. Continue to operate the system until the product solution has cleared the last sprinkler head.

**Banded Application:** For banded applications, the treated area is the area covered by the band, not total cropland planted. The following formula can be used to calculate the amount of this product needed per acre of crop when banded applications are made:

$$\frac{\text{Band width in inches}}{\text{Row spacing in inches}} \times \text{Broadcast rate per acre} = \text{Amount needed per acre of field}$$

### MIXING INSTRUCTIONS

Prepare no more spray mixture than is required for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

**Alone:** Add 1/2-2/3 of the required amount of water to the spray or mixing tank. With the agitator running, add product to the tank. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

### Tank Mixtures

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture

This product is usually compatible with most insecticides, fungicides, and foliar nutrients; however, do not mix it with Syllit, or crop injury will occur.

To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powder and water-dispersible granular products first, the liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Add 1/2-2/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the tank mix partner into the tank. Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and product to the spray tank. Allow the product to completely disperse. Spray the mixture with the agitator running.

### ROTATIONAL CROPS

Alfalfa can be planted 75 days after the last application of this product if the total application of propiconazole has not exceeded 0.22 lb active ingredient per acre during the previous year. Do not plant any other crop intended for food, grazing, or any component of animal feed or bedding within 105 days of an application of this product to the preceding crop unless the second crop appears on this label.

### RESISTANCE MANAGEMENT

This product is effective in controlling pests and minimizing the development of resistance when used in rotation with other fungicides in an IPM program. To reduce selection pressure for resistant pests:

- Use this product in rotation with classes of fungicides with different modes of action.
- Use this product as part of a pest management program that includes cultural and biological control where possible.
- This product is in the Group 3 class of fungicides. The mode of action for propiconazole, the active ingredient in this product, is as a demethylation inhibitor of sterol biosynthesis (OMI) which disrupts membrane synthesis by blocking demethylation. Resistance can develop when products with the same mode of action are used repeatedly.
- Consult your state or local agricultural pest control advisor(s) for pest control strategies established for your area.



## CROP APPLICATION INSTRUCTIONS

### ALMONDS

#### Restrictions

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 8 applications per year at the lowest rate of 3.6 fl oz/A.
- Pre-harvest interval (PHI): 60 days.
- Do not graze livestock in treated areas or cut treated cover crop for feed.

**Application:** Ground or air (minimum of 15 gal/A).

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Brown Rot Blossom Blight ( <i>Monilinia laxa</i> , <i>M. fructicola</i> )	3.6-7.2 fl oz	Apply this product at 5-10% bloom and 50-100% bloom in sufficient volume to provide thorough coverage. Under severe disease pressure, use the higher rate. Minimum retreatment interval is 7 days.
Anthrachnose ( <i>Collectotrichum acutatum</i> )	7.2 fl oz	Apply this product beginning at bud break and repeat at 7-14 day intervals.

### BANANAS AND PLANTAINS

#### Restrictions

- Do not apply more than 21.6 fl oz of this product/A per year (this includes any pre-harvest sprays).
- Do not apply more than 0.67 lb ai propiconazole-containing product/A per year.
- Do not make more than 8 applications per year.
- Do not apply this product within 100 yards of non-bagged bananas or plantains.
- Do not apply this product on bananas or plantains unless they are protected by polyethylene bags.
- Do not feed whole bananas or plantains to animals.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Black Sigatoka ( <i>Mycosphaerella fijiensis</i> )	2.7 fl oz	<p>Make applications before disease symptoms appear at the onset of the rainy season.. Apply in 10 to 20 gallons of water per acre using ground or air application equipment. Make no more than 2 consecutive applications at 21 to 25 day interval before rotating to another registered fungicide with a different mode of action for at least 2 sprays. If possible, have at least 2 consecutive months "triazole free" during the period of lower disease pressure.</p> <p style="text-align: center;"><b>Mixing Procedures</b></p> <p><b>Oil-in-Water Emulsion:</b> (1) Add the orchard oil to the spray tank. (2) Add the emulsifier (0.6 fl oz per gal. of oil) and this product to the spray tank and mix thoroughly for 5 minutes. (3) Add water to the spray tank and mix thoroughly for 15 minutes.</p> <p><b>Oil Alone:</b> (1) Add orchard oil to the spray tank. (2) Add this product to the spray tank and mix thoroughly for 5 minutes.</p> <p>Maintain agitation.</p>

**BERRIES:** Bushberries, Caneberries, Strawberries (see Strawberry section for crop specific directions)

**Bushberries:** Aronia berry; blueberry (highbush and lowbush); buffalo currant; Chilean guava; cranberry (highbush); currant (black and red); elderberry; European barberry; gooseberry; honeysuckle (edible); huckleberry; jostaberry; Juneberry (Saskatoon berry); lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these

**Caneberries:** Blackberry (including bingleberry, boysenberry, dewberry, lowberry, marionberry, olallieberry, youngberry); loganberry; raspberry (black and red); wild raspberry; cultivars, varieties, and/or hybrids of these

**Restrictions**

- Do not apply more than 27 fl oz of this product/A per year.
- Do not apply more than 0.84 lb ai propiconazole-containing product/A per year.
- Do not make more than 5 applications per year.
- Pre-harvest interval (PHI): 30 days.

**Application:** Unless directed otherwise for a specific pest, apply this product by ground (minimum of 5 gal/A) or air (minimum of 15 gal/A).

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Mummyberry Disease ( <i>Monilinia vaccinicorymbosi</i> )	5.4 fl oz	Make first application beginning at green tip and repeat in 7 to 10 days. If conditions are favorable for disease development, make additional applications at pink bud and repeat every 7 to 10 days through petal fall.
Leaf spot and Stem canker ( <i>Septoria albopunctata</i> ) Rust ( <i>Pucciniastrum vaccinii</i> )	5.4 fl oz	Apply when conditions favor disease development. Repeat applications at 4-week spray intervals.
Leaf and Cane Spot ( <i>Septoria rubi</i> )	5.4 fl oz	Apply as a delayed dormant spray after training in the spring. Repeat this application in late spring, again at bud break, and again once flowering has begun.
Powdery Mildew ( <i>Microsphaera vaccinii</i> )	5.4 fl oz	Apply at 5-10% bloom. Repeat application at full bloom and then at 14 day intervals while conditions are favorable for disease development.
Leaf Spot ( <i>Septoria</i> spp.)	5.4 fl oz	Make first application any time prior to bloom and again after petal fall. If needed, repeat application just after harvest.
Cottonball ( <i>Monilinia oxycocci</i> )	3-5.4 fl oz	Make the first application at leaf bud break and repeat in 7 to 10 days. Make the third application at early bloom and repeat in 7 to 10 days. Under severe disease pressure, use the higher rate.  Apply in 20 to 50 gal of water for ground application or 5 gal of water for aerial application.

## CARROTS

### Restrictions

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 3.6 fl oz/A or more than 8 applications per year at the lowest rate of 1.8 fl oz/A.
- Pre-harvest interval (PHI): 14 days.

**Application:** Apply by ground (minimum of 15 gal/A) or air (minimum of 5 gal/A).

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Leaf Blights ( <i>Cercospora carotae</i> ) (suppression of <i>Alternaria dauci</i> )	3.6 fl oz	Apply when conditions favor disease development. Continue applications at 7 to 10 day intervals using the shorter interval when disease conditions are severe. If desired, use a spreader-sticker.
Powdery Mildew ( <i>Erysiphe polygoni</i> )	1.8 fl oz plus chlorothalonil at 0.75 lb ai	Apply specified rate of this product with 0.75 lb ai of chlorothalonil per acre. Begin applications when conditions favor disease development. Continue applications at 7 to 10 day intervals.

## CELERY AND LEAF PETIOLES SUBGROUP

Celery, Chinese celery, cardoon, celtuce, Florence, fennel, rhubarb, Swiss chard

### Restrictions

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year.
- Pre-harvest interval (PHI): 14 days.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Early Blight ( <i>Cercospora apii</i> )	3.6 fl oz	Apply at 7 day intervals. If desired, tank mix this product with an appropriate spreader-sticker.
Late Blight ( <i>Septoria apicola</i> )		Apply by ground (minimum of 10 gal/A) or air (minimum of 5 gal/A).

## CEREALS

Wheat (see next section for barley, rye, triticale, oats)

### Restrictions

- Do not apply more than 7.2 fl oz of this product/A per year.
- Do not apply more than 3.6 fl oz/A per year if forage or hay will be harvested.
- Do not apply more than 0.22 lb ai propiconazole-containing product/A per year.
- Do not make more than 2 applications per year at the highest rate of 3.6 fl oz/A or more than 4 applications per year at the lowest rate of 1.8 fl oz/A.
- Do not apply after Feekes 10.5.4.
- Pre-harvest interval (PHI): 7 days for forage or hay.

**Application:** Ground, air, or chemigation.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
<b>Control of leaf diseases:</b> Rust ( <i>Puccinia</i> spp.) Powdery mildew ( <i>Blumeria</i> spp., <i>Erysiphe</i> spp.) Leafy blight ( <i>Septoria tritici</i> ) Glume blotch ( <i>Stagonospora nordorum</i> ) Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Helminthosporium leaf blight ( <i>Drechslera tritici-repentis</i> ) Spot blotch ( <i>Bipolaris sorokinina</i> ) Net blotch ( <i>Pyrenophora teres</i> ) Fusarium head blight (suppression only)	3.6 fl oz	Protecting the flag leaf is important for maximizing yield. When this product is applied at 50% to fully emerged plants, the highest yields are normally obtained. Make applications no closer than at 14 day intervals. The use of an oil based adjuvant may improve spray coverage.  This product may be applied through full head emergence (Feekes growth stage 10.5). Do not apply after this stage.
<b>Early Season Suppression of:</b> Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Powdery mildew ( <i>Blumeria</i> spp., <i>Erysiphe</i> spp.) Glume blotch ( <i>Stagonospora nordorum</i> ) Leaf blight ( <i>Septoria tritici</i> )	1.8-3.6 fl oz	For early season leaf disease suppression, apply this product in the spring. Make a second application up to Feekes growth stage 10.5 for season long control. Make applications no closer than a 14 day interval.
Foot rot ( <i>Pseudocercospora</i> spp.)	3.6 fl oz	Apply this product plus half rates of other EPA-registered fungicides such as Nufarm T-Methyl 4.5 F. Apply at tillering but before elongation has occurred.

## CEREALS

Barley, Rye, Triticale, Oats

### Restrictions

- Do not apply more than 7.2 fl oz of this product/A per year.
- Do not apply more than 3.6 fl oz/A per year if forage or hay will be harvested.
- Do not apply more than 0.22 lb ai propiconazole-containing product/A per year.
- Do not make more than 2 applications per year at the highest rate of 3.6 fl oz/A or more than 4 applications per year at the lowest rate of 1.8 fl oz/A.
- Do not apply after Feekes 10.5.4.
- Pre-harvest interval (PHI): 7 days for forage or hay.

**Application:** Ground, air, or chemigation.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
<b>Control of leaf diseases:</b> Rusts ( <i>Puccinia</i> spp.) Powdery mildew ( <i>Blumeria</i> spp., <i>Erysiphe</i> spp.) Leafy blight ( <i>Septoria tritici</i> ) Glume blotch ( <i>Stagonospora nordorum</i> ) Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Helminthosporium leaf blight ( <i>Drechslera tritici-repentis</i> ) Spot blotch ( <i>Bipolaris sorokinina</i> ) Barley scald ( <i>Rhynchosporium secalis</i> ) Barley stripe ( <i>Pyrenophora graminea</i> ) Net blotch ( <i>Pyrenophora teres</i> ) Fusarium head blight (suppression only)	3.6 fl oz	Protecting the flag leaf is important for maximizing yield. When this product is applied at 50% to fully emerged plants, the highest yields are normally obtained. Make applications no closer than at 14 day intervals. The use of an oil based adjuvant may improve spray coverage.  This product may be applied up to 45 days before harvest.
<b>Early Season Suppression of:</b> Tan spot ( <i>Pyrenophora tritici-repentis</i> ) Powdery mildew ( <i>Blumeria</i> spp., <i>Erysiphe</i> spp.) Glume blotch ( <i>Stagonospora nordorum</i> ) Leaf blight ( <i>Septoria tritici</i> )	1.8-3.6 fl oz	For early season leaf disease suppression, apply this product in the spring. Make a second application up to Feekes growth stage 10.5 for season long control. Make applications no closer than a 14 day interval.
Foot rot ( <i>Pseudocercospora</i> spp.)	3.6 fl oz	Apply this product plus half rates of other EPA registered fungicides such as Nufarm T-Methyl 4.5 F. Apply at tillering but before elongation has occurred.

### CITRUS (Non-Bearing)

Calamondin, citron, citrus hybrids, grapefruit, kumquat, lemon, lime, Mandarin orange (sour and sweet), pummelo, Satsuma, Mandarin tangerine, including all cultivars and/or hybrids of these

#### Restrictions

- Do not apply more than 21.6 fl oz of this product/A per year.
- Do not apply more than 0.67 lb ai propiconazole-containing product/A per year.
- Do not make more than 3 applications per year at the highest rate of 7.2 fl oz/A or more than 4 applications per year at the lowest rate of 5.4 fl oz/A.
- Do not apply to citrus that will bear harvestable fruit within 12 months.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Greasy spot	5.4-7.2 fl oz	Begin applications in June. Apply at 30 day intervals through August. Apply this product by ground or air (minimum of 15 gal/A).

### CORN (Field, Field Grown for Seed, and Popcorn)

#### Restrictions

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 7.2 fl oz of this product/A per year on field corn harvested for forage.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 3.6 fl oz/A or more than 8 applications per year at the lowest rate of 1.8 fl oz/A.
- Pre-harvest interval (PHI): 30 days for forage, grain, and stover.

### SWEET CORN

#### Restrictions

- Pre-harvest interval (PHI): 14 days for ears and forage.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Northern corn leaf blight ( <i>Setosphaeria turcica</i> ) Northern corn leaf spot ( <i>Cochliobolus carbonum</i> ) Southern corn leaf blight ( <i>Cochliobolus heterostrophus</i> ) [also known as Helminthosporium leaf blights ( <i>Helminthosporium maydis</i> , <i>H. turcicum</i> , and <i>H. carbonum</i> )]	1.8-3.6 fl oz	Apply when disease first appears and repeat at 7-14 day intervals. Use the lower rate when disease pressure is low. Under heavy disease pressure or when conditions favor disease development, apply the higher rate.  Apply this product by ground, air, or chemigation.
Rust ( <i>Puccinia</i> spp.) Gray leaf spot ( <i>Cercospora zeae-maydis</i> ) Eye spot ( <i>Aureobasidium zeae</i> )	3.6 fl oz	Apply when rust pustules first appear and repeat at 7- to 14-day intervals when conditions favor disease development. For best disease control, apply at initial disease onset.  Apply this product by ground, air, or chemigation.

## CRANBERRIES (OR, WA, WI Only)

### Restrictions

- Do not apply more than 21.6 fl oz of this product/A per year.
- Do not apply more than 0.67 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 5.4 fl oz/A or more than 6 applications per year at the lowest rate of 3.6 fl oz/A.
- Pre-harvest interval (PHI): 45 days.
- Do not use cranberry fields used for aquaculture of fish and crustaceans.
- Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitats. Applicators should use care in making applications near non-target aquatic habitats.
- Do not apply to flooded crop.
- Do not allow release of irrigation or flood water to non-target aquatic habitat for at least 14 days after the last application.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Cottonball ( <i>Monilinia oxycocci</i> )	3.6-5.4 fl oz	Make the first application at leaf bud break. Make the second application 14 days later. Make the third application at early bloom and repeat in 14 days. Under severe disease pressure, use the higher rate for control. Apply by ground or air (minimum of 20 gal/A).

## FILBERTS (Hazelnuts)

### Restrictions

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 6 applications per year at the lowest rate of 4.5 fl oz/A.
- Pre-harvest interval (PHI): 60 days.
- Do not graze livestock in treated areas or cut treated crop for feed.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Eastern Filbert Blight ( <i>Anisogramma anomala</i> )	4.5-7.2 fl oz	Begin applications when green leaf tissue becomes visible and continue at 14 to 21 day intervals. Under severe disease pressure, use the higher rate and shorter interval.  On certain varieties, applications of this product causes smaller and/or greener leaves. Yields of filberts displaying these characteristics have not been reduced due to propiconazole treatments. Apply by ground or air (minimum of 15 gal/A).

## GRASSES GROWN FOR SEED (ID, MN NE, OR, WA Only)

### Restrictions

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 8 applications per year at the lowest rate of 3.6 fl oz/A.
- Do not feed hay cut within 20 days of the last application.
- Pre-harvest interval (PHI) for seed: 20 days.
- Do not graze treated areas within 140 days of the last application.
- Do not apply to bermudagrass grown for seed.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Rusts ( <i>Puccinia</i> spp.) Powdery mildew ( <i>Erysiphe</i> spp.) Selenophoma stem eyespot ( <i>Se/enophoma</i> spp.) Ergot Suppression	3.6-7.2 fl oz	Apply when powdery mildew and <i>Selenophoma</i> infections or rust pustules are noticeable and increasing in number in late spring or early summer. Repeat at 14 to 21 day intervals. To maximize control under severe rust pressure, use the higher rate of 8 fl oz per acre and make applications at 14 day intervals until the seed is mature. Make the last application at least 20 days before seed matures. For bluegrass, it is important to begin applications early in the growing season.  Apply by ground (minimum of 20 gal/A), air (minimum of 10 gal/A), or chemigation.

## MINT (Peppermint, Spearmint)

### Restrictions

- Do not apply more than 10.8 fl oz of this product/A per year.
- Do not apply more than 0.34 lb ai propiconazole-containing product/A per year.
- Do not make more than 3 applications per year.
- Pre-harvest interval (PHI): 7 days.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Rust ( <i>Puccinia menthae</i> )	3.6 fl oz	Begin applications when plants are 2 to 4 inches high or when conditions become favorable for disease development. Repeat at 14-day intervals as needed.  Apply by ground (minimum of 20 gal/A) or air (minimum of 2 gal/A).



**ONIONS (Bulb & Green)**

**Bulb Onions:** Daylily, bulb; Fritillaria, bulb; Garlic, bulb; Garlic, great-headed, bulb; Garlic, serpent, bulb; Lily, bulb; Onion, bulb; Onion, Chinese, bulb; Onion, pearl; Onion, potato, bulb; Shallot, bulb; Cultivars, Varieties, and/or Hybrids of these

**Green Onions:** Chive, fresh leaves; Chive, Chinese, fresh leaves; Elegans hosta; Fritillaria, leaves; Kurrat; Lady's leek; Leek; Leek, wild; Onion, Beltsville bunching; Onion, fresh; Onion, green; Onion, macrostem; Onion, tree, tops; Onion, Welsh, tops; Shallot, fresh leaves; cultivars, varieties, and/or hybrids of these

**Restrictions**

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 2 applications per year at the highest rate of 7.2 fl oz/A; or more than 4 applications per year at the rate of 3.6 fl oz/A; or more than 8 applications per year at the lowest rate of 1.8 fl oz/A.
- Pre-harvest intervals (PHI): 14 days for bulb onions; 0 days for green onions.

**Application:** Apply by ground (minimum of 15 gal/A) or air (minimum of 5 gal/A).

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Purple Blotch ( <i>Alternaria porri</i> ) Suppression of Botrytis leaf blight ( <i>Botrytis squamosa</i> )	3.6-7.2 fl oz	Begin applications when conditions favor disease development and continue at 7 to 10 day intervals. Use the higher rate and shorter interval when disease pressure is severe.
	1.8-3.6 fl oz plus tank mix partner	In tank mix, apply in combination with another fungicide for control of Botrytis leaf blight or purple blotch. Begin applications when conditions favor disease development and continue at 7 to 10 day intervals or according to the tank mix partner's label. Use the higher rate when disease pressure is severe. Use a wetting agent or a spreader/sticker to achieve optimum disease control.

## PEANUTS

### Restrictions

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 2 applications per year at the highest rate of 7.2 fl oz/A; or more than 4 applications per year at the rate of 3.6 fl oz/A; or more than 6 applications per year at the lowest rate of 2.25 fl oz/A.
- Pre-harvest intervals (PHI): 14 days when using no more than 3.6 fl oz/A; 21 days when using 7.2 fl oz/A.
- Do not feed hay from treated fields to livestock if the highest rate of 7.2 fl oz/A is used.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Early leaf spot ( <i>Cercospora arachidola</i> )	2.25-3.6 fl oz	Apply beginning 35 to 40 days after planting or at the first appearance of disease. Continue applications at 10 to 14 day intervals. Under heavy disease pressure, use the higher application rates.  This product may be used in State Agricultural Extension advisory (disease forecasting) programs which specify application timing based on environmental factors favorable for disease development.  Apply by ground, air, or chemigation.
Late leaf spot ( <i>Cercosporidium personatum</i> )	3.6 fl oz	
Rust ( <i>Puccinia arachidis</i> )		
Web Blotch ( <i>Phoma arachidicola</i> )		
Southern Stem Rot ( <i>Sclerotium rolfsii</i> )	See APPLICATION INSTRUCTIONS section for appropriate rate	Apply according to one of the following schedules: A. Apply 3.6 fl oz of this product per acre to the crown and pegging zones of the plant using chemigation or directed ground application. Begin applications 45 days after planting or at the first appearance of disease, and repeat at 14 day intervals. B. Apply 7.2 fl oz of this product per acre to the crown and pegging zones of the plant using chemigation or directed ground application. Make 2 applications: the first at pegging (approximately 60 days after planting) or at the first appearance of disease, and the second application 3 to 4 weeks later.  <b>Irrigation:</b> When applying this product in irrigation water for Southern Stem Rot Control, use a minimum of 0.25 to 0.5 inch of irrigation water per acre. Use enough water so that the fungicide penetrates the peanut canopy and reaches the crown of the plant where <i>Sclerotium rolfsii</i> is most active.  When using this product via irrigation or directed ground application, use additional methods for leaf spot control.

## PECANS

### Restrictions

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 8 applications per year at the lowest rate of 3.6 fl oz/A.
- Do not apply after shuck split or within 45 days of harvest, whichever comes first.
- Do not graze livestock in treated areas or cut treated cover crop for feed.

**Note:** Propiconazole has been listed as potentially having effects on federally listed threatened and endangered species or critical habitat in some counties. When using this product, you must follow the measures contained in the County Bulletin for the county in which you are making the pesticide application. To determine whether your county has a bulletin, consult <http://www.epa.gov/espp/bulletins.htm>. Bulletins may also be available from local pesticide dealers, extension offices, or state pesticide agencies.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Pecan Scab <i>(Cladosporium caryigenum)</i> Downy Spot <i>(Mycosphaerella caryigena)</i> Liver Spot <i>(Gnomonia caryae pv pecanae)</i> Vein Spot <i>(Gnomonia nerviseda)</i> Zonate Leaf Spot <i>(Cirstulariella moncola)</i> Powdery Mildew <i>(Microsphaera penicillata)</i>	3.6-7.2 fl oz	<p><b>Pecan scab:</b> Apply 3.6-7.2 fl oz per acre on a 14 day schedule during bud break and pre-pollination sprays. Apply 5.4-7.2 fl oz per acre during nut formation and cover sprays. Use the higher rates when disease pressure is heavier.</p> <p><b>Other listed foliar diseases:</b> Apply 3.6 fl oz per acre with other registered pecan products labeled for these mid to late season foliar diseases. Observe all directions, precautions and limitations for the other products.</p> <p>Apply this product by ground or air (minimum of 20 gal/A).</p>

## PINEAPPLE (HAWAII ONLY)

### Restrictions

- Do not use treated crowns for food or feed.
- Do not graze while plant is growing.
- Do not graze tops until fruit is harvested.
- Dispose of used dip solution according to local state and federal regulations.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Butt rot disease of pineapple <i>(Ceratomyces paradoxa)</i>	0.7 fl oz (21 ml) per 100 gal. of water (1:17,000)	<p>Treatments can be made in either a cold or hot water dip.</p> <p><b>Cold Water Dip</b>-Immerse crowns to give thorough wetting, remove, and allow to drain.</p> <p><b>Hot Water Dip</b>-Maintain water temperature at 125°F (52°C). Soak crowns for 20 to 30 minutes, remove, and allow to drain.</p>

**PISTACHIOS**

**Restrictions**

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 6 applications per year at the lowest rate of 4.5 fl oz/A.
- Pre-harvest interval (PHI): 60 days.
- Do not graze livestock in treated areas or cut treated cover crop for feed.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Botryosphaeria Panicle and Shoot Blight ( <i>Botryosphaeria dothidea</i> )	4.5-7.2 fl oz	<p>Begin applications when green leaf tissue becomes visible and continue at 14 to 21 day intervals. Under severe disease pressure, use the higher rate and the shorter interval.</p> <p><b>Note:</b> Under certain conditions, applications of this product can cause smaller and/or greener leaves. Yields of pistachios displaying these characteristics have not been reduced due to treatments with this product.</p> <p>Apply by ground or air (minimum of 15 gal/A).</p>

## RICE

### Restrictions

- Do not apply more than 10.8 fl oz of this product/A per year.
- Do not apply more than 0.34 lb ai propiconazole-containing product/A per year.
- Do not make more than 1 application per year at the highest rate of 9 fl oz/A or more than 2 applications per year at the lowest rate of 5.4 fl oz/A.
- Pre-harvest interval (PHI): 35 days.
- Do not release flood water within 7 days of an application.
- Do not apply to stubble or ratoon crop rice.
- Do not use in rice fields where commercial farming of crayfish will be practiced.
- Do not drain water from treated rice fields into ponds used for commercial fish farming.
- Do not use water drained from treated fields to irrigate other crops.

**Application:** Apply this product by air only.

Propiconazole, the active ingredient in this product, may have effects on federally listed threatened and endangered species or critical habitat in some counties. When using this product, you must follow the measures contained in the County Bulletin for the county in which you are making the pesticide application. To determine whether your county has a bulletin, consult <http://www.epa.gov/espp/bulletins.htm>. Bulletins may also be available from local pesticide dealers, extension offices, or state pesticide agencies.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
<b>RICE</b>		
Sheath blight <i>(Rhizoctonia solani)</i> Brown leaf spot <i>(Helminthosporium oryzae)</i> Narrow brown leaf spot <i>(Cercospora oryzae)</i> Leaf smut <i>(Entyloma oryzae)</i> Sheath spot <i>(Rhizoctonia oryzae)</i> Kernal smut <i>(Tilletia barclayana)</i> Aggregate sheath spot <i>(Rhizoctonia oryzae-sativa)</i> Black sheath rot <i>(Gaeumannomyces graminis)</i> Stem rot suppression <i>(Sclerotium oryzae)</i> False smut suppression <i>(Ustilaginoidea virens)</i>	See APPLICATION INSTRUCTIONS section for appropriate rate	The timing of product application depends on disease severity, disease complex, and rice variety and growth stage. Apply on either of the following schedules as an aerial spray in 5 to 10 gal. of water per acre: A. 5.4 fl oz per acre at first internode elongation (up to 2-inch panicle) and repeat at swollen boot. Make the second application 14 days after the first application but before the boot splits and head emerges. This product provides best control of sheath blight when the first application is made at disease appearance in the field. Make the first application when 5% or fewer of the tillers are infected. B. 9 fl oz per acre at first internode elongation (up to 2-inch panicle). Use the 9 oz rate when greater than 10% of the tillers are infected with sheath blight. If disease reappears, use another registered fungicide for the second application.  <b>Tank mix option:</b> Apply 5.4 fl oz per acre in a tank mix with a product containing azoxystrobin or other fungicides for control of diseases of rice.
<b>WILD RICE (MN only)</b>		
Helminthosporium leaf blight <i>(Helminthosporium sp.)</i> Brown spot <i>(Bipolaris spp.)</i>	5.4-7.2 fl oz	Apply 5.4 fl oz of this product per acre at both booting and heading, or make a single application of 7.2 fl oz per acre at booting. The minimum retreatment interval is 10 days.

## SORGHUM

### Restrictions

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 7.2 fl oz of this product/A (0.22 lb ai propiconazole/A) per year on sorghum harvested for forage.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year.
- Pre-harvest intervals (PHI): 30 days for forage; 21 days for grain and stover.
- Do not graze livestock or cut for green chop or silage within 30 days of application.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Ergot ( <i>Claviceps sorghi</i> )	2.7-3.6 fl oz	Make first application at or just prior to flowering. Repeat at 5 to 7 day intervals. Apply up to four times.  Apply by ground (minimum of 15 gal/A) or air (minimum of 10 gal/A).

## SOYBEANS

### Restrictions

- Do not apply more than 10.8 fl oz of this product/A per year.
- Do not apply more than 0.34 lb ai propiconazole-containing product/A per year.
- Do not make more than 2 applications per year at the highest rate of 5.4 fl oz/A or more than 3 applications per year at the lowest rate of 3.6 fl oz/A.
- Make applications up to growth stage R6.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Aerial Web Blight <i>(Rhizoctonia solani)</i> Anthracnose <i>(Colletotrichum truncatum)</i> Brown Spot <i>(Septoria glycines)</i> Frogeye Leaf Spot <i>(Cercospora sojina)</i> Soybean Rust <i>(Phakopsora pachyrhizi)</i>	3.6-5.4 fl oz	<p><b>For Aerial Web Blight:</b> Apply 4.5-5.4 fl oz/A at the first appearance of the disease and repeat the application 14 to 21 days later. Under severe disease pressure, use the higher rate and shorter interval.</p> <p><b>For other foliar diseases:</b> Apply 5.4 fl oz/A at growth stage R3 (early pod set) when pods are 1/8 to 1/4 inch long and repeat 14 to 21 days later at growth stage R5 (pod fill).</p> <p><b>For Soybean Rust:</b> Apply 3.6-5.4 fl oz/A at first indication that the disease is in the area. For best control, make preventative applications. Repeat at 14 to 21 day intervals using the higher rate and shorter interval when disease is present in field and incidence is less than 2% (2 plants in 100 infected). If incidence is greater than this or if disease is in mid canopy, control will not be acceptable. Scouting for rust and/or being aware of the proximity of the disease via monitoring systems will aid in the proper timing to maximize the effectiveness of the fungicide applications.</p> <p>On certain varieties, applications of this product can cause crinkled, smaller and/or greener leaves. Yields of dry beans displaying these characteristics have not been reduced due to propiconazole treatments.</p> <p>Apply by air or ground. Use dilution rates found in the APPLICATION INSTRUCTIONS section of this label. When applying by air, adding an oil-based additive may improve coverage and penetration.</p>

**STONE FRUIT:** Apricots, cherries (sweet and tart), nectarines, peaches, plums, plumcots, prunes, and cultivars and or hybrids of these

**Restrictions**

- Do not apply more than 18 fl oz of this product/A per year.
- Do not apply more than 0.56 lb ai propiconazole-containing product/A per year.
- Do not make more than 5 applications per year.
- Pre-harvest interval (PHI): 0 days.

**Notes**

- Applications of this product to Stanley plums during bloom have occasionally caused fruit to be less oval in shape and smaller in size at harvest. To avoid this, do not apply this product to Stanley plums earlier than 21 days before harvest.
- Applications may be made by ground or air (minimum of 15 gal/A), however ground applications most effectively control stone fruit diseases.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Brown Rot Blossom Blight ( <i>Monilinia</i> spp.)	3.6 fl oz	Apply at early bloom stage. If disease pressure is low, make a second application as needed up through petal fall. If disease pressure is high or for susceptible varieties, make a second application at 75-100% bloom and a third application at petal fall.
Powdery Mildew ( <i>Podosphaera</i> spp.) Cherry Leaf Spot ( <i>Blumeriella jaapii</i> ) Rust ( <i>Tranzschelia discolor</i> )	3.6 fl oz	Follow the brown rot blossom blight schedule above. Make up to 2 additional applications at 10 to 14 day interval from the end of petal fall to harvest.
Fruit Brown Rot ( <i>Monilinia</i> spp.)	3.6 fl oz	Make a maximum of 2 applications during the preharvest period up to the day of harvest (0-day PHI). If high inoculum and severe disease pressure persist after these 2 applications, follow with the application of another fungicide registered for this use.

**STRAWBERRIES**

**Restrictions**

- Do not apply more than 14.4 fl oz of this product/A per year.
- Do not apply more than 0.45 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year.
- Pre-harvest interval (PHI): 0 days.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Anthrachnose ( <i>Colletotrichum acutatum</i> ) Leaf Spot ( <i>Cercospora fragariae</i> ) Powdery Mildew ( <i>Sphaerotheca macularis</i> ) Leaf Rust ( <i>Phragmidium potentillae</i> )	3.6 fl oz	Begin applications when disease levels are no more than 5%. Apply up to 4 times at 7 day intervals. Make no more than 2 consecutive applications before rotating to another registered fungicide with a different mode of action.  Apply this product by ground (minimum of 20 gal/A) or air (minimum of 15 gal/A).



## SUGARBEETS

### Restrictions

- Do not apply more than 10.8 fl oz of this product/A per year.
- Do not apply more than 0.34 lb ai propiconazole-containing product/A per year.
- Do not make more than 3 applications per year.
- Pre-harvest interval (PHI): 21 days.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Leaf Spot ( <i>Cercospora beticola</i> ) Powdery Mildew ( <i>Erysiphe polygoni</i> )	3.6 fl oz	Begin applications at first sign of disease and repeat at 10 to 14 day intervals. Make no more than 2 consecutive applications before rotating to another registered fungicide with a different mode of action. If disease levels continue to increase, immediately switch to a fungicide with a different mode of action.  Apply by air, ground, or chemigation. Use dilution rates found in the APPLICATION INSTRUCTIONS section of this label.

## SUGARCANE

### Restrictions

- Maximum of 1 application to seed pieces.
- Do not use treated seed pieces for food or feed purposes.
- Dispose of spent dip solution according to local, state and federal regulations.

PESTS CONTROLLED	APPLICATION RATE PER ACRE	APPLICATION INSTRUCTIONS
Pineapple disease ( <i>Ceratocystis paradoxa</i> )	0.7 fl oz (21 ml) per 100 gal. of water (1:17,000)	Apply this product to cut seed pieces. Treatments can be applied in either a cold or hot water dip. <b>Cold Water Dip</b> - Immerse seed pieces to give thorough wetting, remove, and allow to drain. <b>Hot Water Dip</b> - Maintain water temperature at 125°F (52°C). Soak the seed pieces for 20 to 30 minutes, remove, and allow to drain. <b>Conveyor Belt Treatment</b> -Treat seed pieces with this product /water solution using in-line directed spray sufficient to wet cut ends.

**TREE NUTS:** Almond (see specific directions in ALMOND Section), Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (see specific directions in FILBERT section), Hickory, Macadamia, Pecan (see specific directions in PECAN section), Walnut, Pistachios (see specific directions in PISTACHIO section)

**Restrictions**

- Do not apply more than 28.8 fl oz of this product/A per year.
- Do not apply more than 0.9 lb ai propiconazole-containing product/A per year.
- Do not make more than 4 applications per year at the highest rate of 7.2 fl oz/A or more than 8 applications per year at the lowest rate of 3.6 fl oz/A.
- Pre-harvest interval (PHI): 60 days with the exception of pecan (see specific directions in PECAN section of this label).
- Do not graze livestock in treated areas or cut treated cover crop for feed.

<b>PESTS CONTROLLED</b>	<b>APPLICATION RATE PER ACRE</b>	<b>APPLICATION INSTRUCTIONS</b>
Foliar Diseases	3.6-7.2 fl oz	Apply this product at first sign of disease. Repeat at 7 to 14 days intervals.  Apply by ground or air (minimum of 15 gal/A). For optimum disease control, apply using ground equipment.

FL OZ OF PRODUCT PER ACRE	LB AI PER ACRE	ACRES TREATED PER GALLON OF PRODUCT
1.8	0.056	64.0
3.6	0.1125	32.0
5.4	0.169	21.3
7.2	0.225	16.0
9	0.28	12.8
10.8	0.34	10.7
14.4	0.45	8.0
18	0.56	6.4
21.6	0.67	5.3
27	0.84	4.3
28.8	0.90	4.0

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers.

**PESTICIDE DISPOSAL:** Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Pesticide, mixtures, or equipment rinse water that cannot be chemically reprocessed must be disposed of according to applicable federal, state or local procedures. Contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

**[Note to Reviewer:** The following statement will be included on all Final Printed Labels bearing multiple Container Handling statements] **“NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this product’s labeling for the applicable “Nonrefillable” or “Refillable” designation. Follow the container handling instructions below that apply to your container type/size.”

#### **[Nonrefillable Containers 5 Gallons or Less]**

**Nonrefillable container.** Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#### **[Nonrefillable containers larger than 5 gallons]**

**Nonrefillable container. Do not reuse or refill this container.** Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**[Refillable containers larger than 5 gallons]**

**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.** UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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**If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

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